

AMENDMENTS TO THE CLAIMS

1-5. (Original) Canceled

6. (Currently Amended) An exercise training apparatus comprising:

a support frame having a first rear mounting structure adapted to be connected to a bicycle frame having a transmission including a flexible drive element, the support frame further including a second rear mounting structure;

a flywheel rotatably mounted to the second rear mounting structure, the flywheel including a driven member secured for co-rotation with the flywheel, and

a resistance generation unit for creating resistance against the flywheel transmission, the resistance generation unit coupled to the support frame;

wherein the support frame includes a tensioning device for selectively adjusting the distance between the first rear mounting structure and the second rear mounting structure tensioning the flexible drive element.

7. (Currently Amended) The apparatus of Claim 6, wherein the tensioning device comprises:

a base;

~~a support member projecting upwardly from the base, a portion of which supports the flexible drive element;~~

~~an elongate deflection member having a first end secured to the support member and a second end securable to the bicycle frame; and~~

a linear actuator mounted on the first rear mounting structure or the second rear mounting structure support member, an end of the linear actuator engageable with the ~~second end of the other of the first rear mounting structure or the second rear mounting structure deflection member.~~

8. (Currently Amended) The apparatus of Claim 6 [[7]], wherein the resistance unit includes ~~a flywheel rotatably coupled to the support member of the chain tensioning device; and~~

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a magnetic field generation source ~~coupled to the base of the chain tensioning device, a portion of the flywheel passing through the magnetic field source for creating resistance against the transmission.~~

9. (Original) The apparatus of Claim 8, wherein the magnetic field source is an electromagnet.

10. (Currently Amended) The apparatus of Claim 6, the support frame further comprising a front mounting structure adapted to be connected to a bicycle frame and an adjustment mechanism for selectively adjusting the distance between the front and first rear mounting structures wheel base of the bicycle frame.

11. (Currently Amended) The apparatus of Claim 7, wherein linear translation of the linear actuator causes the end of the linear actuator to engage with the first rear mounting structure or the second rear mounting structure deflection member so as to bend the first rear mounting structure or the second rear mounting structure deflection member away from the other of the first rear mounting structure or the second rear mounting structure support to selectively tension a ~~[[the]]~~ flexible drive element.

12-14. (Canceled)

15... (Previously Presented) An exercise apparatus comprising:

a support frame including a rear mounting assembly; and

a resistance unit including a magnetic field generation source and a flywheel, wherein the flywheel comprises:

a circular body including an outer peripheral flange and a hub section, the hub section having a centrally located bore for receiving an axle, the circular body rotatably connected to the rear mounting assembly through the axle;

a plurality of radial segments of a non-magnetic, conductive material are removably coupled to the outer peripheral flange defining gaps therebetween; and

a driven member connected to the hub section, wherein the driven member is adapted to be drivenly connectable to a transmission system for rotating a portion of the radial segments through the magnetic field generation source resulting in a resistance against the rotation of the flywheel.

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16-20. (Canceled)

21. (Currently Amended) An exercise training apparatus comprising:

a support frame for supporting a portion of a bicycle frame having a transmission including a flexible drive element; and

a resistance generation unit ~~for creating resistance against the transmission, the resistance generation unit coupled to the support frame;~~

wherein the support frame includes a tensioning device ~~for selectively tensioning the flexible drive element~~, the tensioning device including ~~a base, a support member projecting upwardly from the support frame base, a portion of which supports the flexible drive element, an elongate deflection member having a first end secured to the support member and a second end securable to [[the]] a bicycle frame[[:]]~~, and a linear actuator mounted on the support member, an end of the linear actuator engageable with the second end of the deflection member.

22. (Currently Amended) An exercise training apparatus comprising:

a support frame having a bicycle frame mounting structure and a flywheel mounting structure for supporting a bicycle frame having a transmission including a flexible drive element, the support frame further comprising ~~an adjustment mechanism for selectively adjusting the wheel base of the support frame, which corresponds to the wheel base of a bicycle frame to be supported by the support frame;~~

a bicycle frame having rear fork members detachably coupled to the bicycle frame mounting structure of the support frame about a common first axis;

a flywheel rotatably coupled about a second axis to the flywheel mounting structure of the support frame in-between the rear fork members of the bicycle frame, wherein the second axis is different from the first axis;

a transmission including a driven member coupled to the flywheel and a user operable drive assembly, the drive assembly coupled to the bicycle frame and operably connected to the driven member through a flexible transmission element; and

a resistance generation unit for creating resistance against flywheel rotation the ~~transmission, the resistance generation unit coupled to the support frame;~~

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wherein the support frame includes a ~~chain~~ tensioning device for selectively tensioning the flexible drive element by adjusting the distance between the first and second axes.

23. (Previously Presented) An exercise training apparatus comprising:

a support frame having a rear mounting assembly;

a bicycle frame having rear fork members, the rear fork members being capable of detachably mounting a ground engaging wheel thereon, the rear fork members being detachably coupled to the rear mounting assembly of the support frame about a common first axis;

a flywheel rotatably coupled about a second axis to the rear mounting assembly of the support frame in-between the rear fork members of the bicycle frame, wherein the second axis is different from the first axis;

a transmission system including a driven member coupled to the flywheel and a user operable drive assembly, the drive assembly coupled to the bicycle frame and operably connected to the driven member through a flexible transmission element; and

a magnetic field generation source coupled to the rear mounting assembly of the support frame, a portion of the flywheel passing through the magnetic field generation source.

24. (Currently Amended) An exercise training apparatus comprising:

a support frame having a rear mounting assembly including a first support member, and a second support member configured for selectively connecting rear fork members of ~~[[the]]~~ a bicycle frame along a common, first connection axis;

a flywheel rotatably coupled about a second axis to the first support member of the rear mounting assembly in-between the rear fork members of the bicycle frame, wherein the second axis is different from the first connection axis; and

a magnetic field generation source coupled to the rear mounting assembly of the support frame, a portion of the flywheel passing through the magnetic field generation source.

25. (New) An exercise training apparatus comprising:

a support frame having a mounting assembly including a first support member, and a second support member configured for selectively connecting fork members of a bicycle frame along a common, first connection axis;

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a flywheel rotatably coupled about a second axis to the first support member of the mounting assembly in-between the fork members of the bicycle frame, wherein the second axis is different from the first connection axis; and

a resistance generator capable of applying resistance against flywheel rotation.

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